Massimiliano Bruni

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PROFILE

I am a Software Engineer specialized in Machine Learning. During my career I have realized and put into production various projects, both proprietaries and Open Source. I love technology and I like working on innovative projects. I work methodically, precisely and with attention to details. I am rational, diligent, hard-working and pragmatic.

LINKS

Github://**Maxinho96**
LinkedIn://**Massimiliano Bruni**
YouTube://**Massimiliano Bruni**

LANGUAGES

Italian: Native
English: Upper-intermediate level B2/C1

SKILLS

HARD SKILLS

Advanced: Python • Machine Learning • NLP Huggingface Transformers • Rasa Chatbot FastAPI • Flask • Bash • Linux • Docker Kubernetes • Git
Intermediate: Java • SQL • Elasticsearch Matplotlib • NumPy • Pandas • macOS
Basic: Keras • TensorFlow • Scikit-learn OpenCV • AWS • Hadoop • Spark • Golang

SOFT SKILLS

Problem solving, thanks to the Engineering studies.
Team working, thanks to the projects in which I was involved.
Communication, thanks to the experiences as private tutor and library assistant.
Learning, thanks to my passion for understanding the world.

CERTIFICATIONS

Year	Released by	Certificate
2022	B9lab	Interchain Developer Academy
2022	Rasa chatbot	Rasa Developer Certification
2021	Coursera	Deep Learning Specialization
2020	Italian State	Software Engineering License
2017	Coursera	Machine Learning
2015	Cambridge	B2 First
2015	Cisco	CCNA Discovery

HOBBIES

Sports • Technology news • Videogames
Board games • Mangas • Hangout

EXPERIENCE

HCL SOFTWARE

SOFTWARE ENGINEER - MACHINE LEARNING
May 2021 - present | Rome
I am responsible of developing the Python backend and the training process of new projects that require Machine Learning. I am also involved in the product delivery process in both cloud and on-premise environments.
Technologies: **Python • Pandas • Huggingface • Rasa • FastAPI • Bash • Docker • Kubernetes • Elasticsearch**

ASKDATA

MACHINE LEARNING ENGINEER
September 2020 - April 2021 | Rome
I was responsible of R&D and releasing in production Deep Learning models in the NLP field involving Text Summarization, Machine Translation, Named Entity Recognition and Semantic Similarity.
Technologies: **Python • Pandas • Huggingface • SpaCy • Flask • FastAPI**

ITALIAN RESEARCH CENTER (CNR)

INTERNSHIP IN MACHINE LEARNING AND COMPUTER VISION
March 2018 - July 2018 | Rome
Internship for the Bachelor's thesis, where I developed the project called *Object recognition robot*, linked below.
Technologies: **Python • TensorFlow • Scikit-learn • OpenCV • Matplotlib • Numpy**

EDUCATION

UNIVERSITÀ DEGLI STUDI ROMA TRE

MASTER'S DEGREE IN COMPUTER SCIENCE ENGINEERING
October 2018 - July 2020 | Rome
Grade: 110/110 cum laude

ITALIAN RESEARCH CENTER (CNR)

ADVANCED SCHOOL IN ARTIFICIAL INTELLIGENCE
Practical school with focus on Machine Learning Applications.
October 2019 - April 2020 | Rome

UNIVERSITÀ DEGLI STUDI ROMA TRE

BACHELOR'S DEGREE IN COMPUTER SCIENCE ENGINEERING
September 2015 - July 2018 | Rome
Grade: 110/110 cum laude

PROJECTS

CLARA (LINK)
A chatbot virtual assistant for Workload Automation.
AI DATA ADVISOR (LINK)
An Anomaly Detection System for Workload Automation.
HUMAN2SQL (LINK)
Translation from spoken language to SQL language.
VIDEO SURVEILLANCE SYSTEM (LINK)
OBJECT DETECTION WITH DRONE (LINK)
TELEGRAM BOT: IMAGE CLASSIFIER (LINK)
OBJECT RECOGNITION ROBOT (LINK)

OPEN SOURCE CONTRIBUTIONS

RASA CHATBOT FRAMEWORK (LINK)
HUGGINGFACE TRANSFORMERS (LINK)
YOLOV3 TENSORFLOW IMPLEMENTATION (LINK)

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